

ILDC2

Item ref: 153.789UK

IN-LINE DIMMER FOR SINGLE COLOUR LED TAPE

User Manual

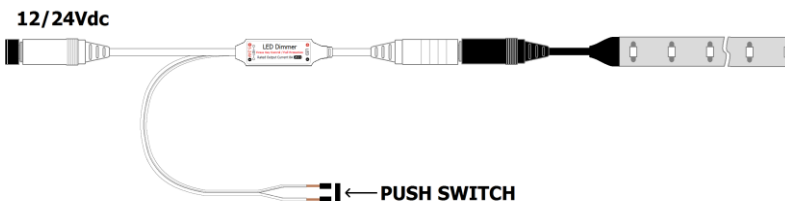


Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

WARNING: This controller is intended for professional installation of single colour LED tape and should be connected by qualified personnel in accordance with electrical safety standards. Ensure that the rated load indicated is not exceeded.

Application

The ILDC2 dimmer control allows on/off and static dimming of single colour LED tape operating from a 5-24Vdc power supply. The maximum current load is rated at 8A.

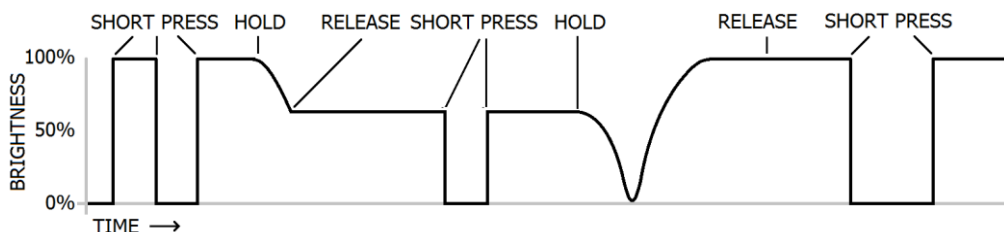


For Fluxia 12V single colour LED tape (156.705-156.718UK), it is recommended to connect no more than 4 x 5m reels from the same controller. For Fluxia 24V LED tapes, up to 8 reels may be powered through the dimmer.

When connecting several 5m tapes to make a longer run, it is advised to use bypass wiring instead of connecting end-to-end to avoid noticeable voltage drop at the furthest end from the power supply. The DC connector may be cut off and the insulation stripped for bare-wire connection using terminal strip. Beyond the maximum length of tape (8A current), it will be necessary to use single colour LED amplifier/repeaters (153.770UK, 153.771UK) to extend dimming control to additional lengths

Operation

The ILDC2 dimmer connects in-line between the power supply and single colour LED tape with a white control lead which is to be connected to a momentary push switch. Pressing this switch will switch the LED tape on or off. Pressing and holding the switch makes the tape progressively dimmer until at 0%, the tape then becomes progressively brighter up to 100%. Releasing the switch at any point sets the brightness, which is remembered each time the tape is switched back on. To change the brightness, press and hold the switch and select a different level and then release again. The graph below is a representation of the dimming function plotted against time to show how 60% brightness might be set and reset to 100%.



Using the above method, the ILDC2 enables full switching and dimming control from a single press switch, which can be any wall mount or in-line momentary switch.

Specifications

| | |
|-----------------------------|-------------------------|
| Power supply (input/output) | 5-24Vdc, 8A max. |
| Dimming system | PWM constant voltage |
| Internal protection | Overheat, short-circuit |
| Lead length (input/output) | 100mm |
| Controller dimensions | 42 x 13 x 5mm |
| Weight | 7.2g |



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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